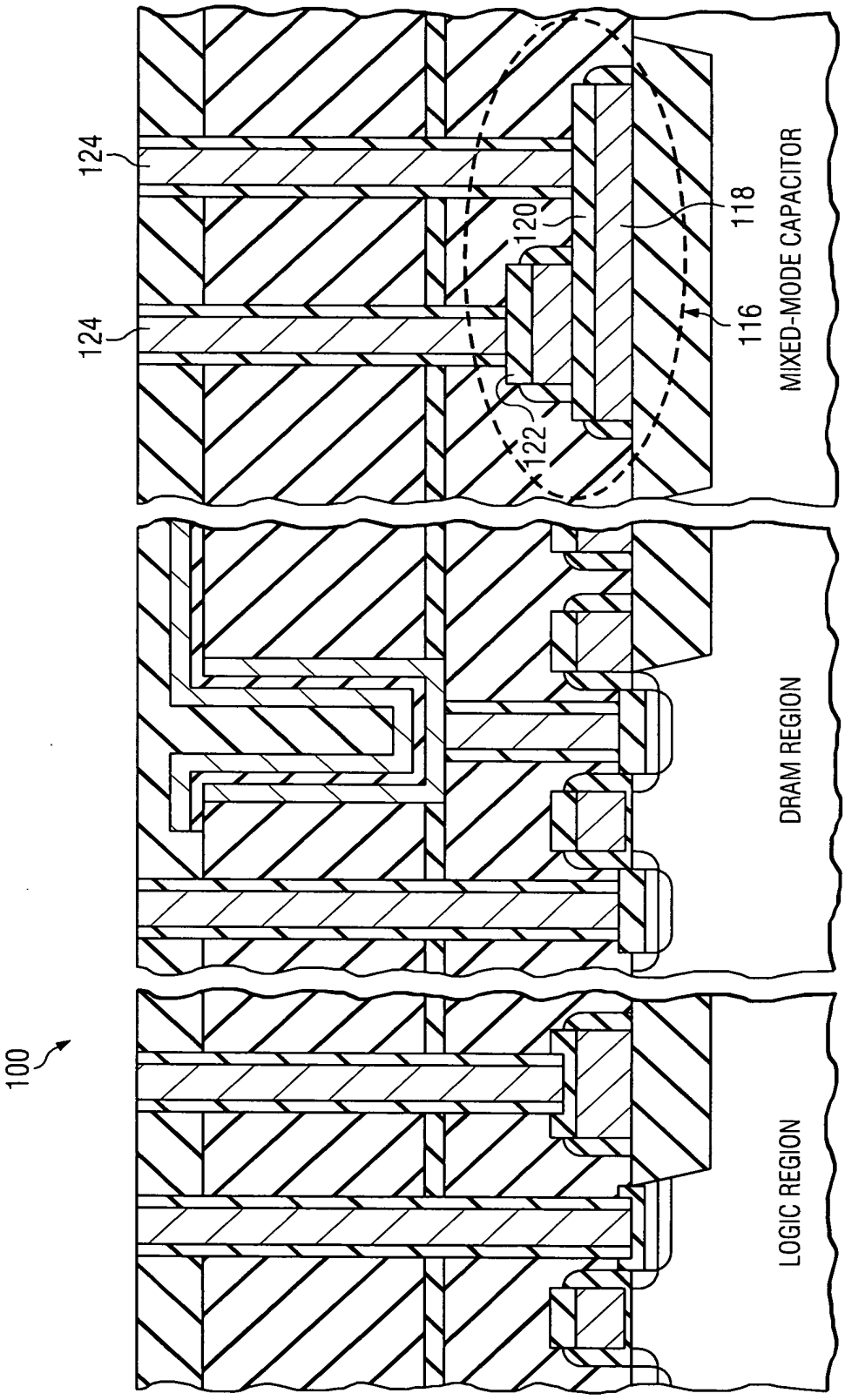


FIG. 1
(PRIOR ART)

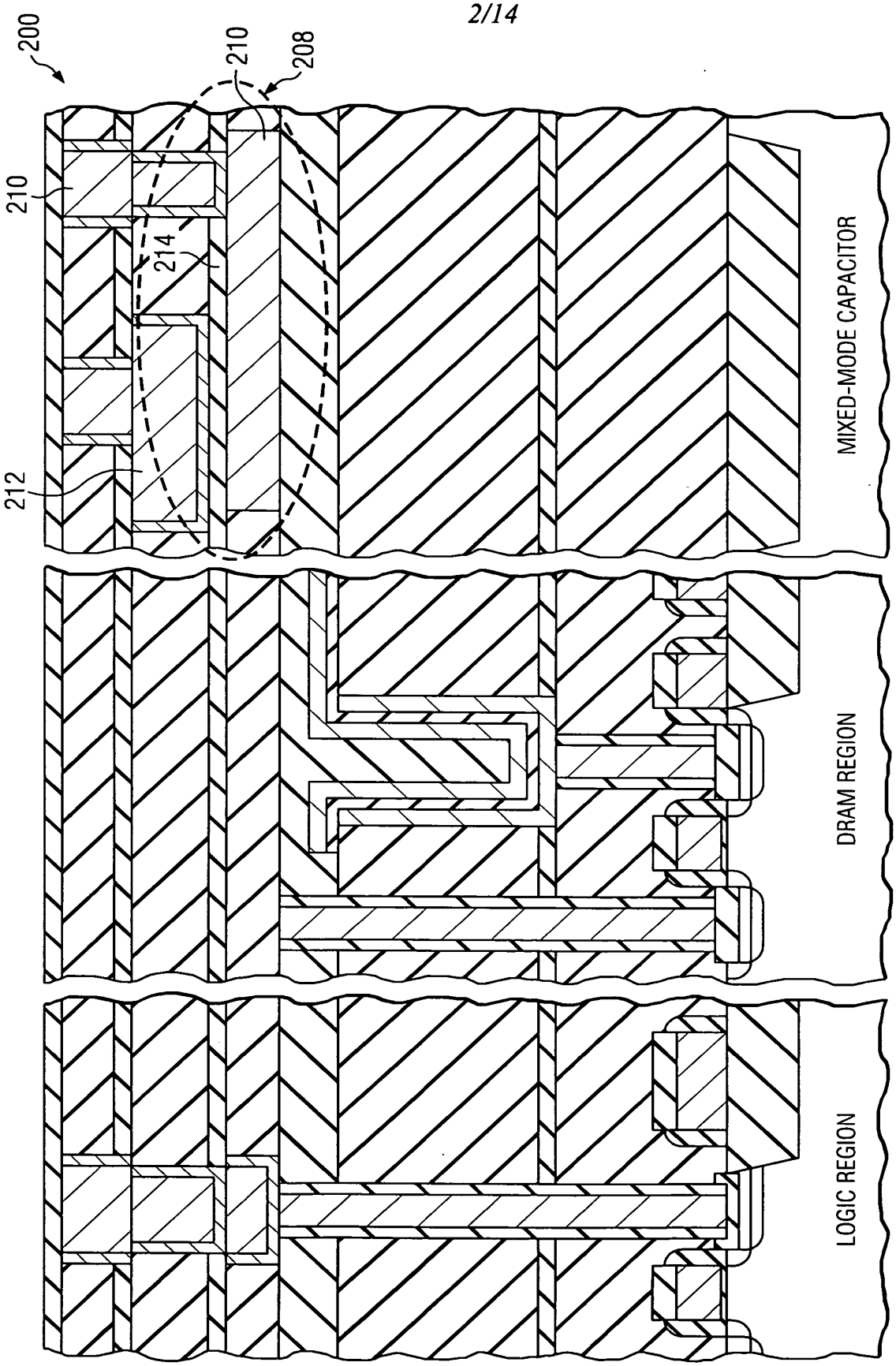


FIG. 2a
(PRIOR ART)

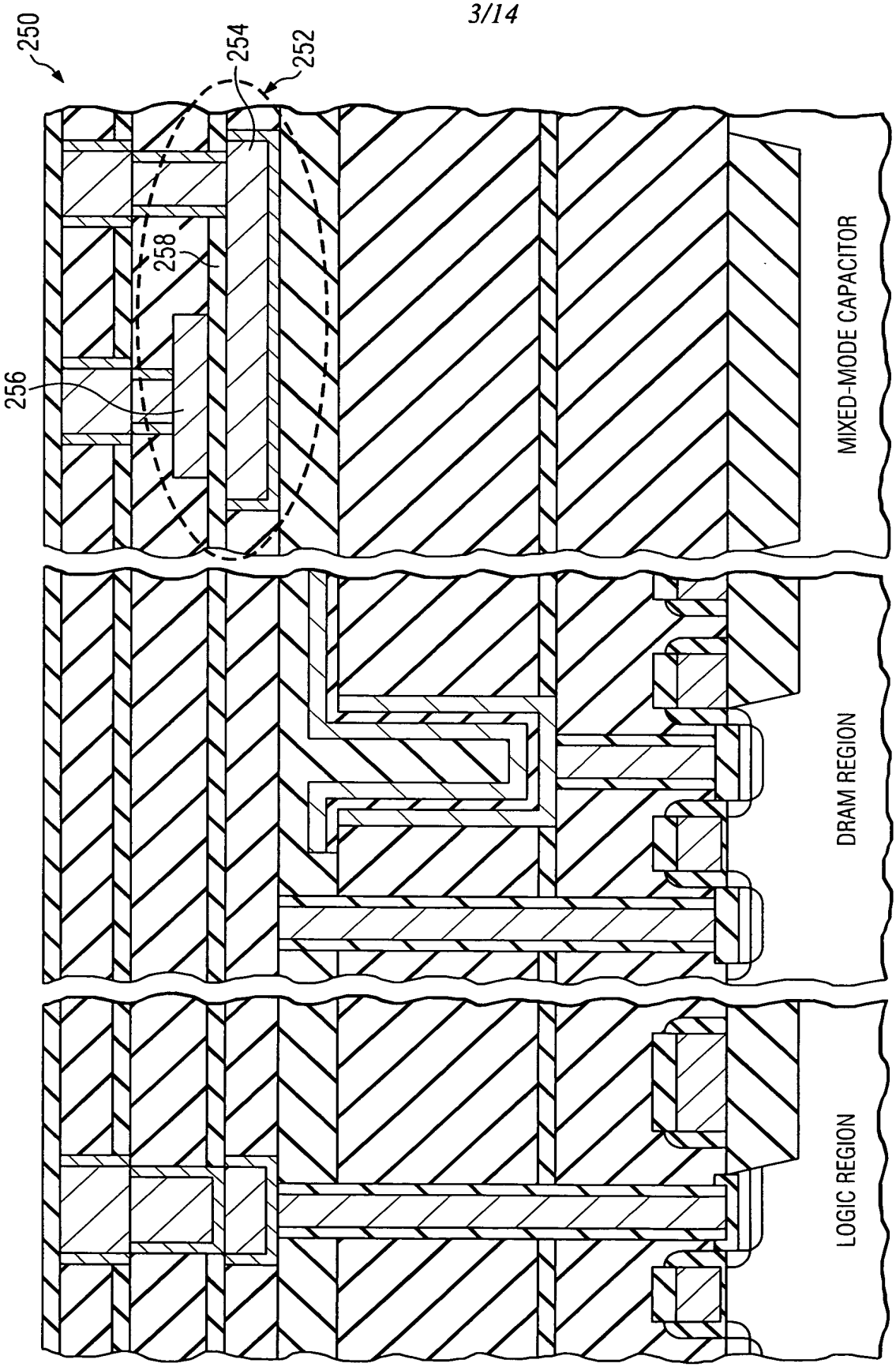


FIG. 2b
(PRIOR ART)

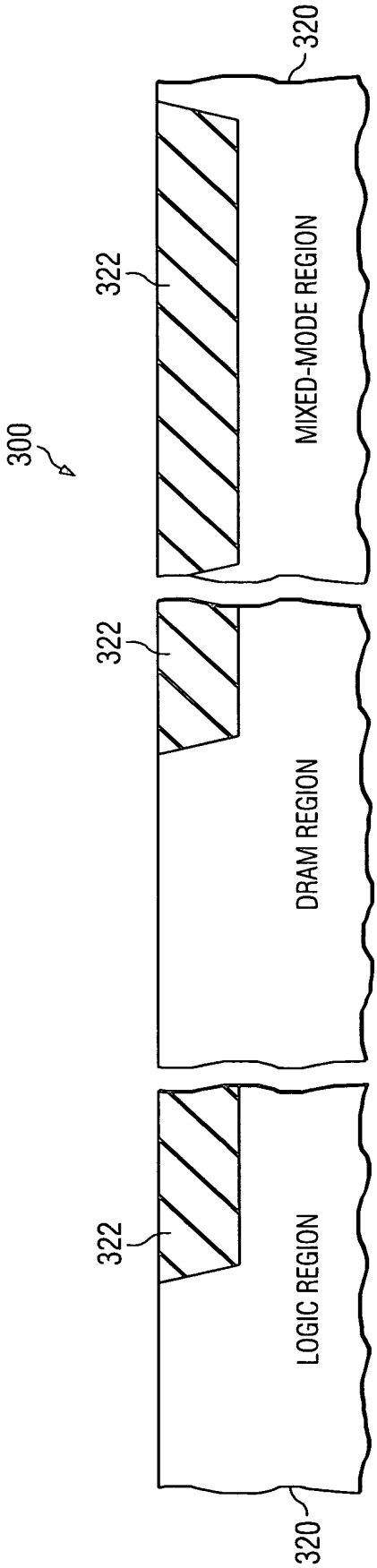

300
320
322
MIXED-MODE REGION
322
DRAM REGION
322
LOGIC REGION
320

FIG. 3a

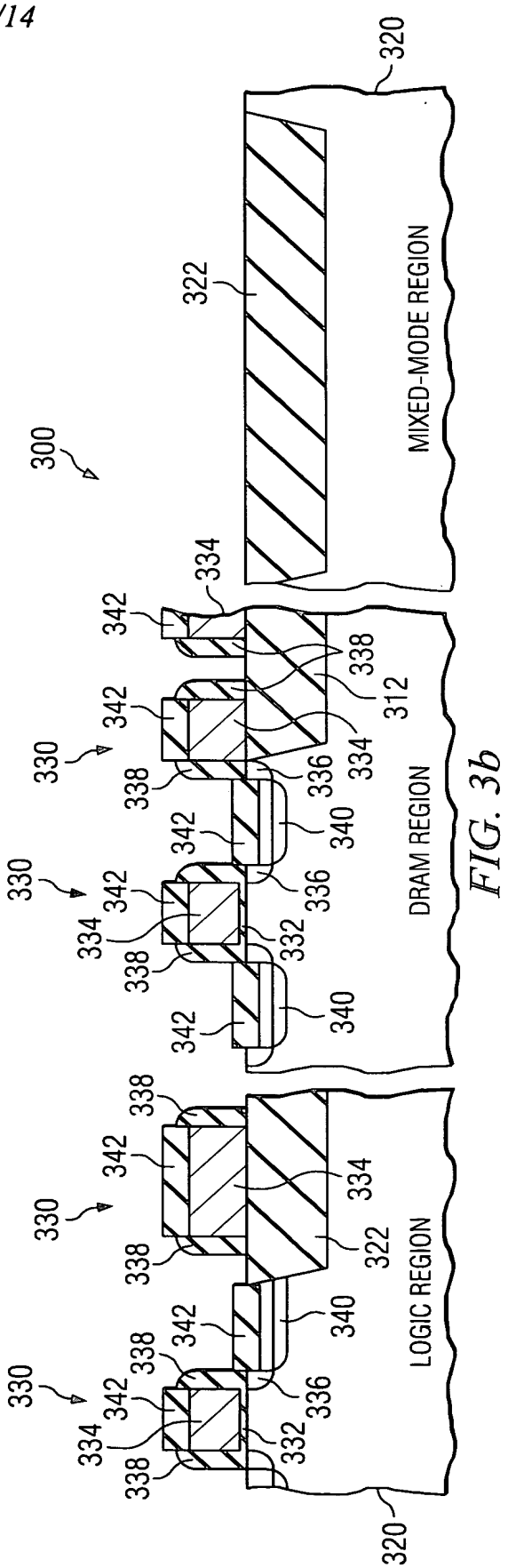
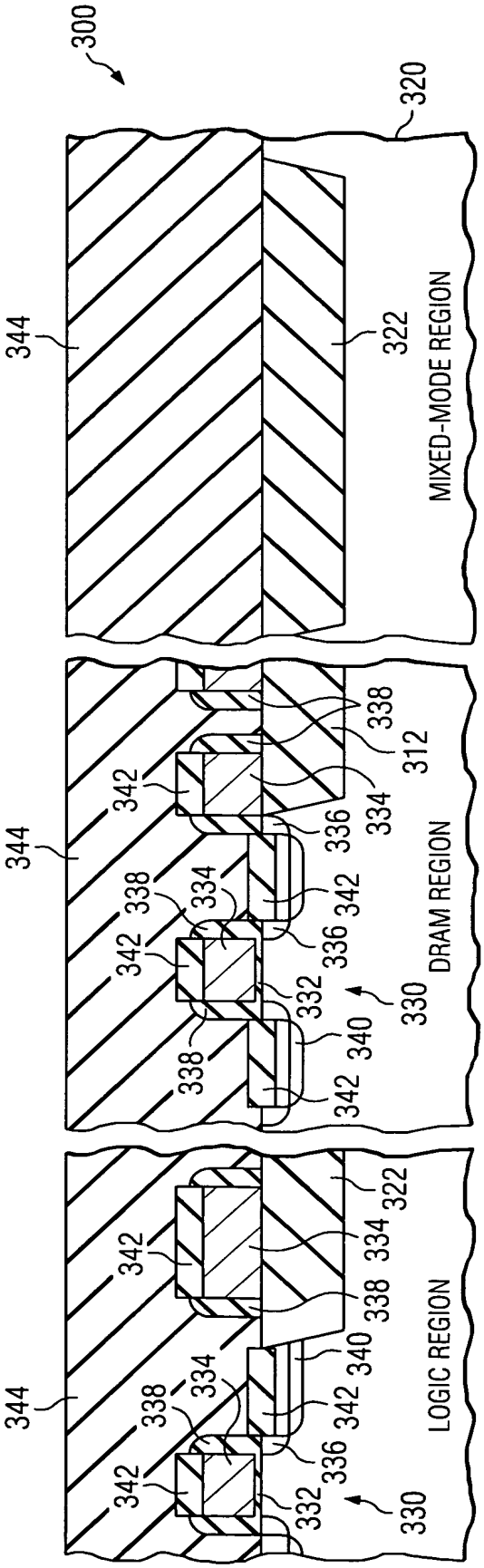

300
320
322
MIXED-MODE REGION
334
342
338
312
330
336
340
332
322
LOGIC REGION
DRAM REGION
320

FIG. 3b


300
320
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322
MIXED-MODE REGION
DRAM REGION
LOGIC REGION
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312
332
334
336
338
340
342

FIG. 3c

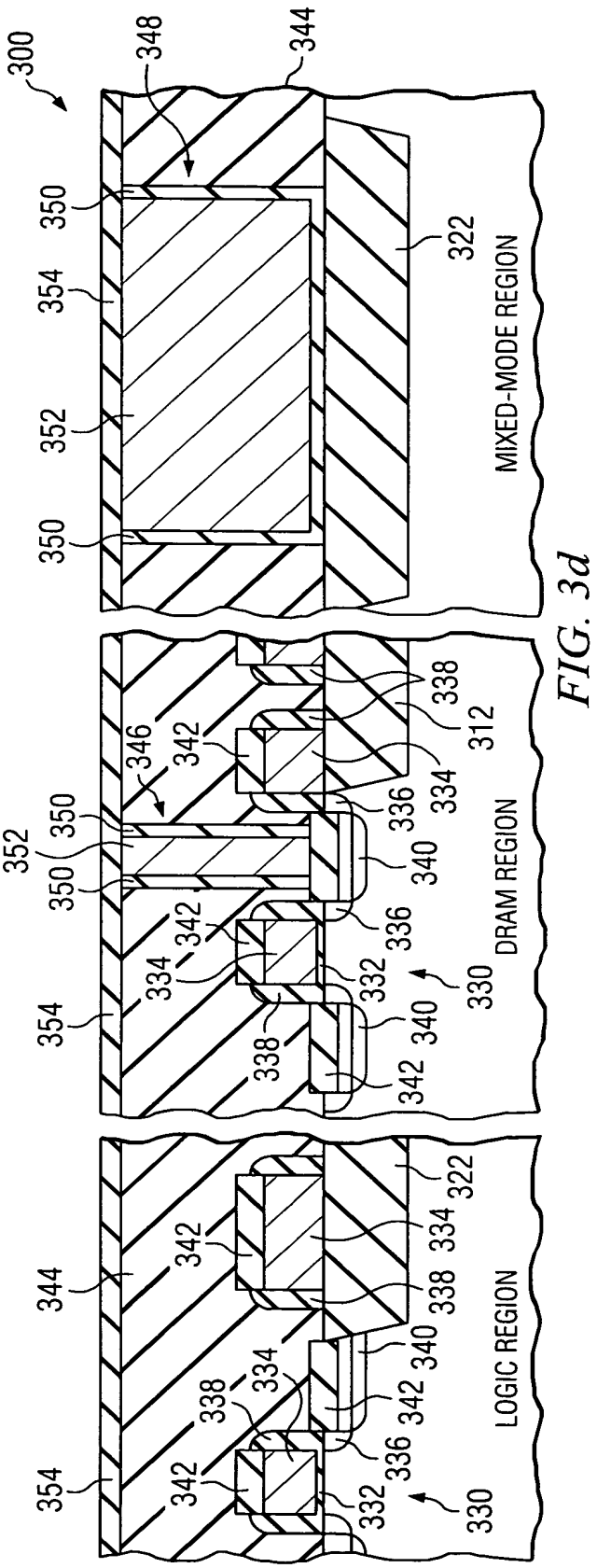
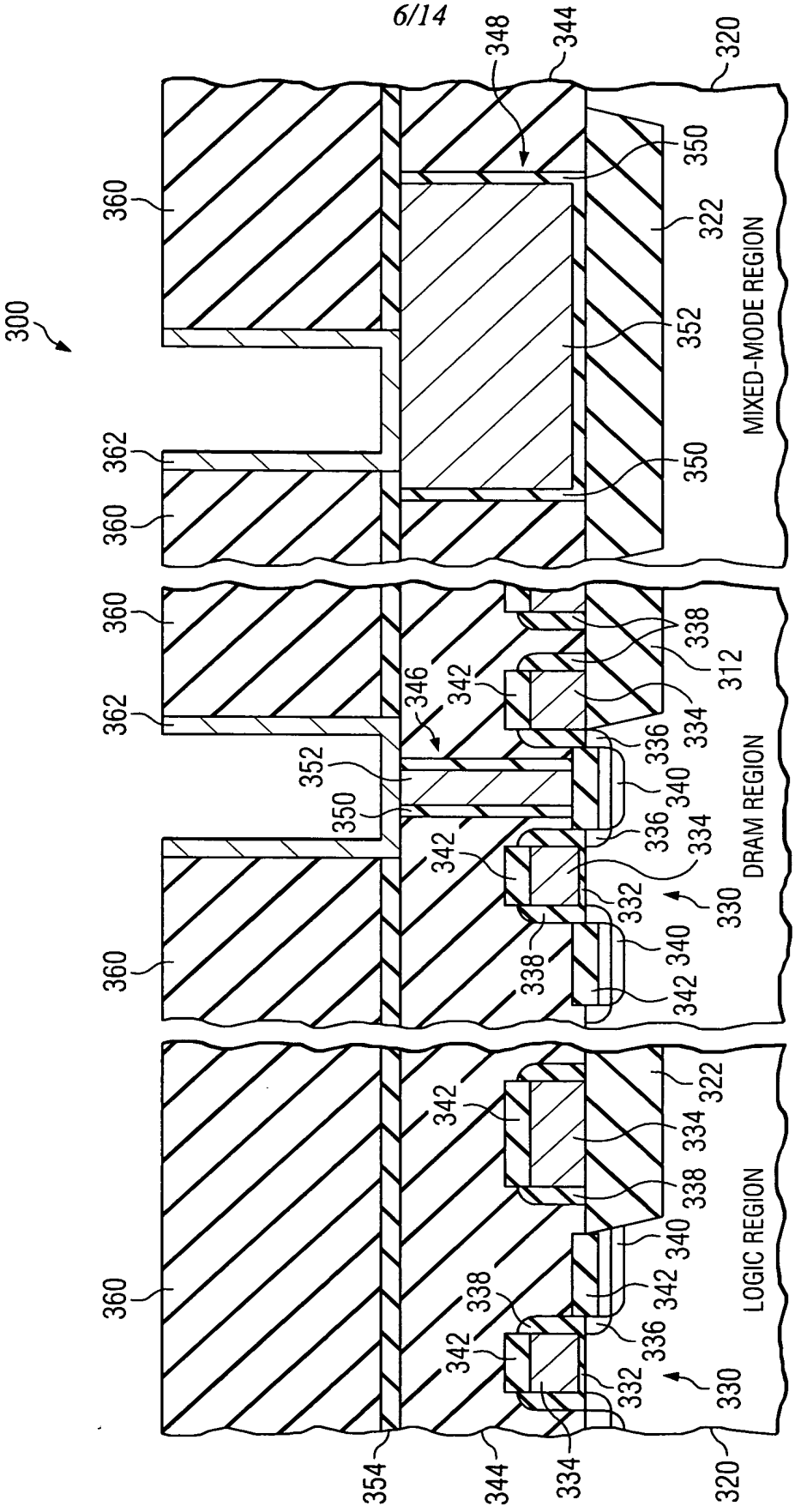

300
348
344
350
352
354
322
MIXED-MODE REGION
DRAM REGION
LOGIC REGION
330
312
332
334
336
338
340
342
346

FIG. 3d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360
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334
320
348
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320
350
322
352
350
MIXED-MODE REGION
338
312
346
342
336
334
352
340
350
336
334
342
332
330
DRAM REGION
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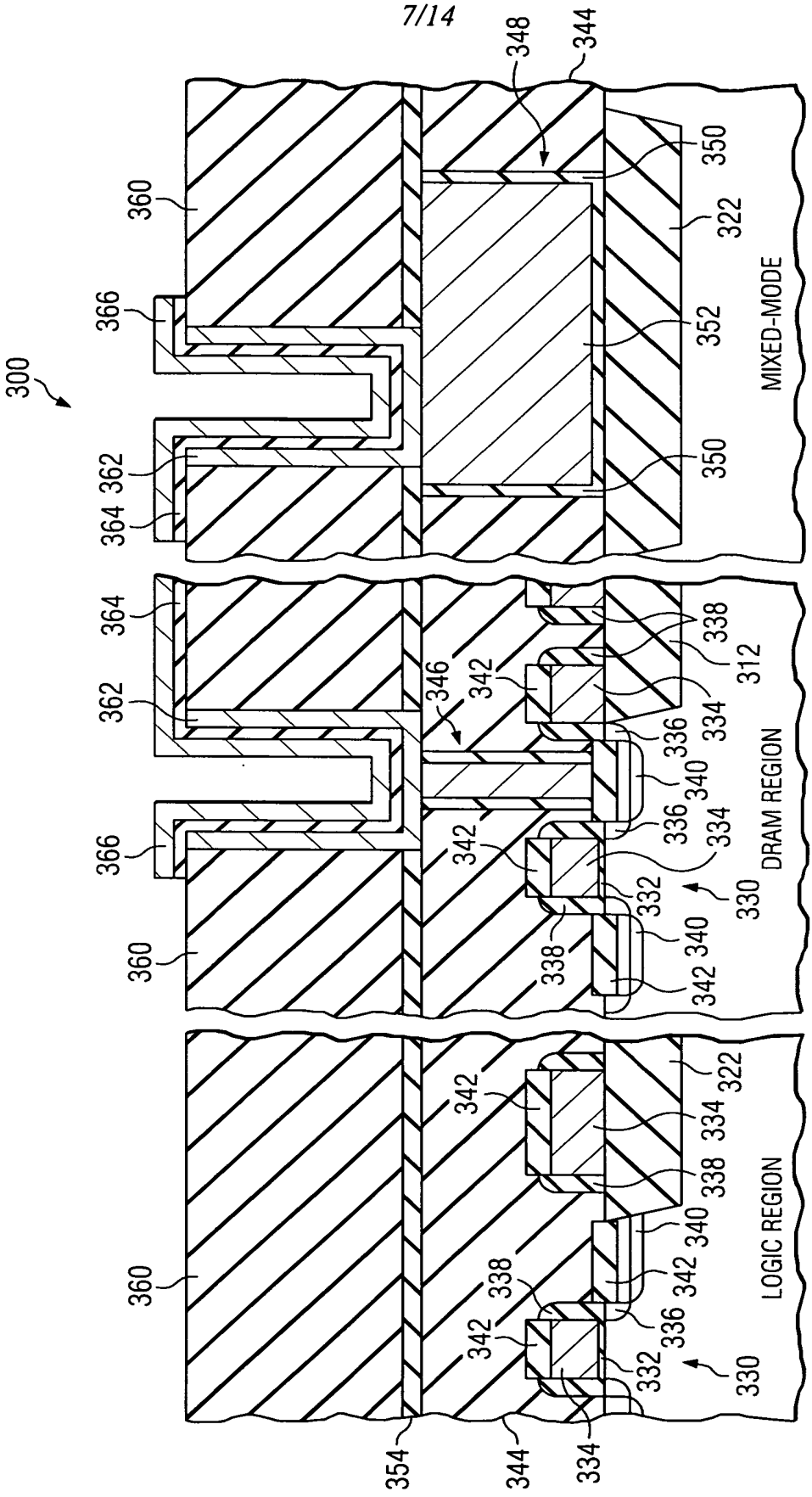
342
334
322
338
340
342
338
336
342
332
330
LOGIC REGION

FIG. 3e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348
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352
MIXED-MODE
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312
334
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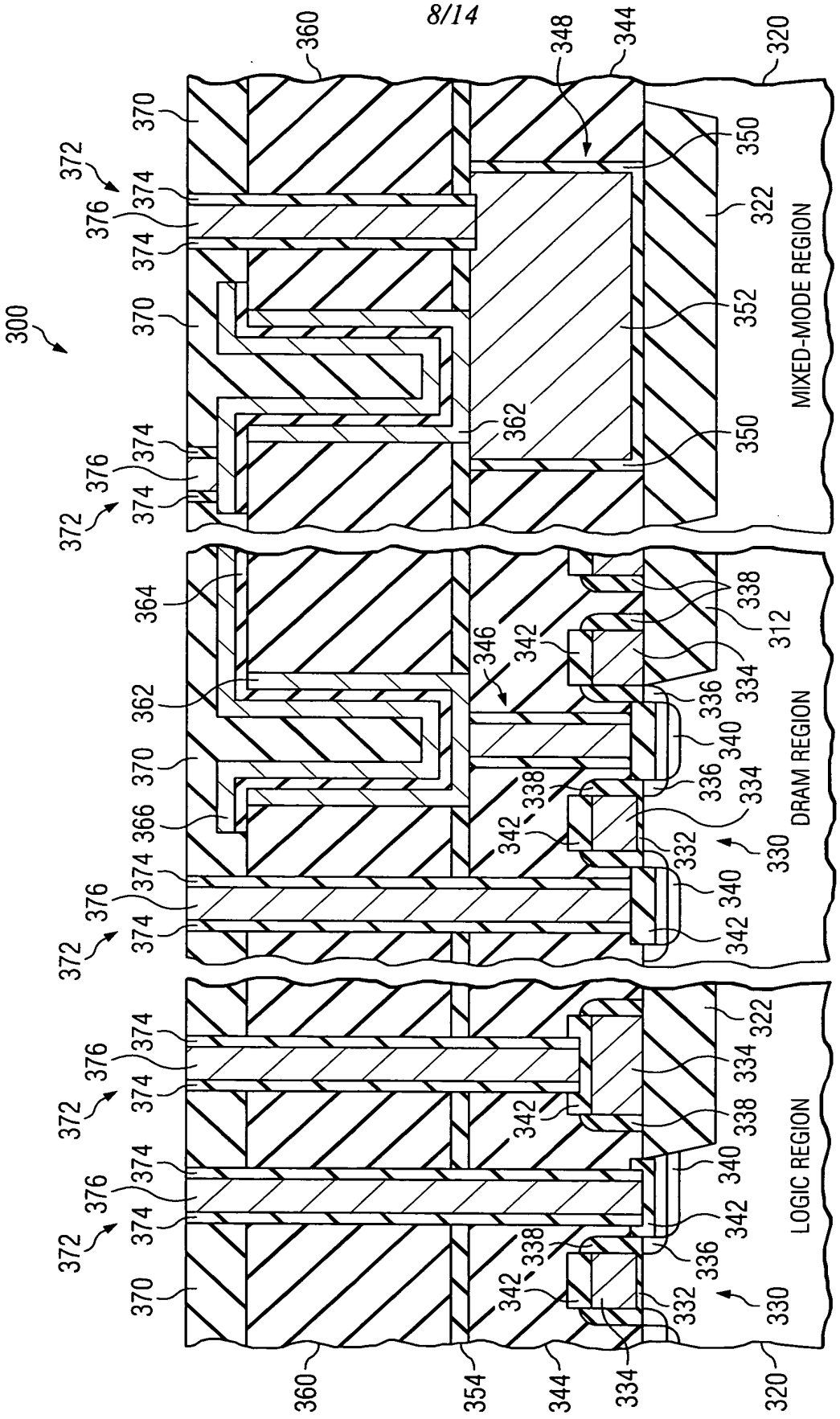
340
DRAM REGION
330
332
LOGIC REGION
354

FIG. 3f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322
352
362
MIXED-MODE REGION
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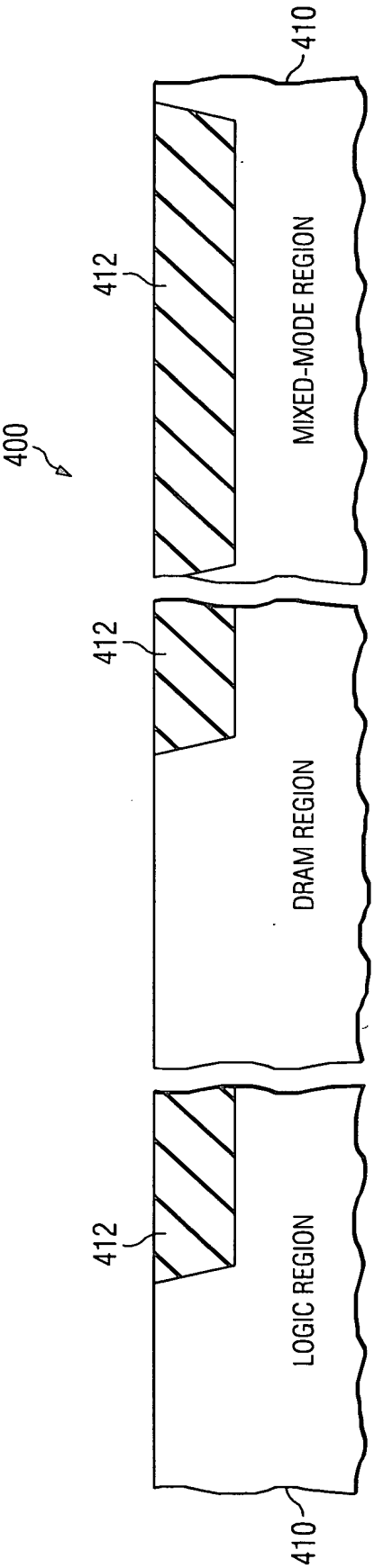
346
342
338
312
334
336
340
DRAM REGION
330
366
332
LOGIC REGION
354

FIG. 3g


400
410
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412
412
LOGIC REGION
DRAM REGION
MIXED-MODE REGION

FIG. 4a

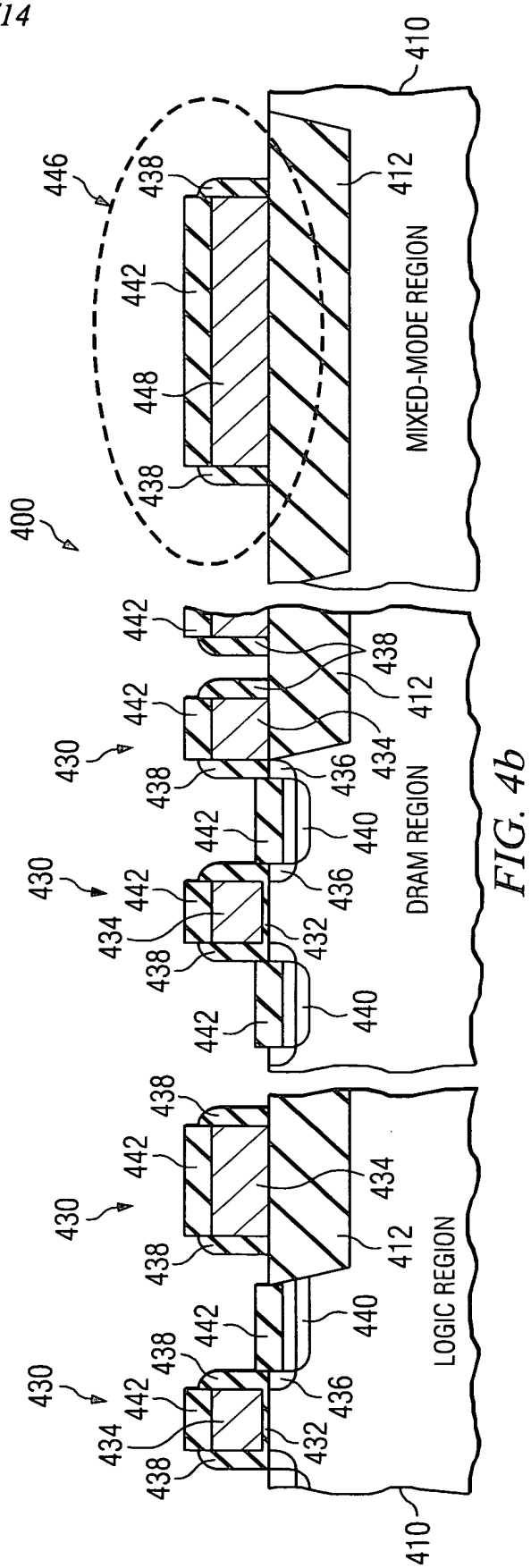
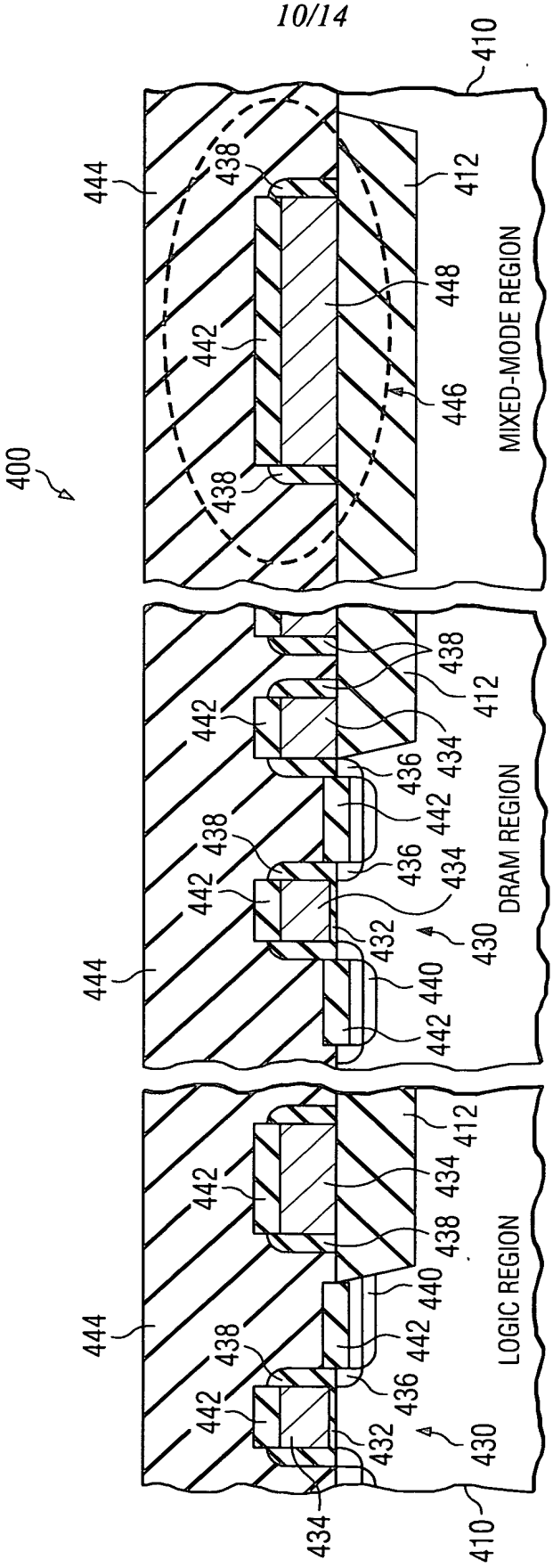

400
410
412
412
412
446
LOGIC REGION
DRAM REGION
MIXED-MODE REGION
430
432
434
436
438
440
442
448

FIG. 4b


400
410
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442
448
446
MIXED-MODE REGION
DRAM REGION
LOGIC REGION
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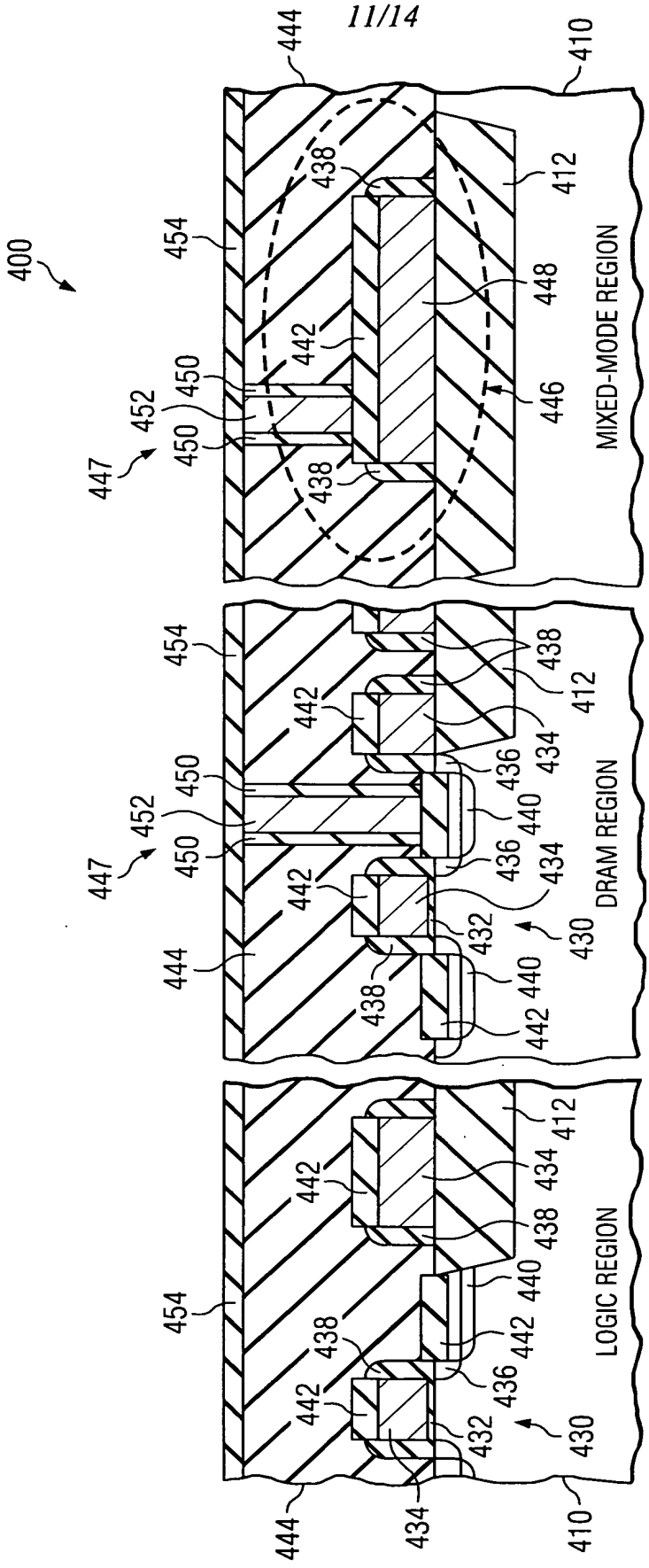
434
432
440
430

FIG. 4c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444
410
454
438
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442
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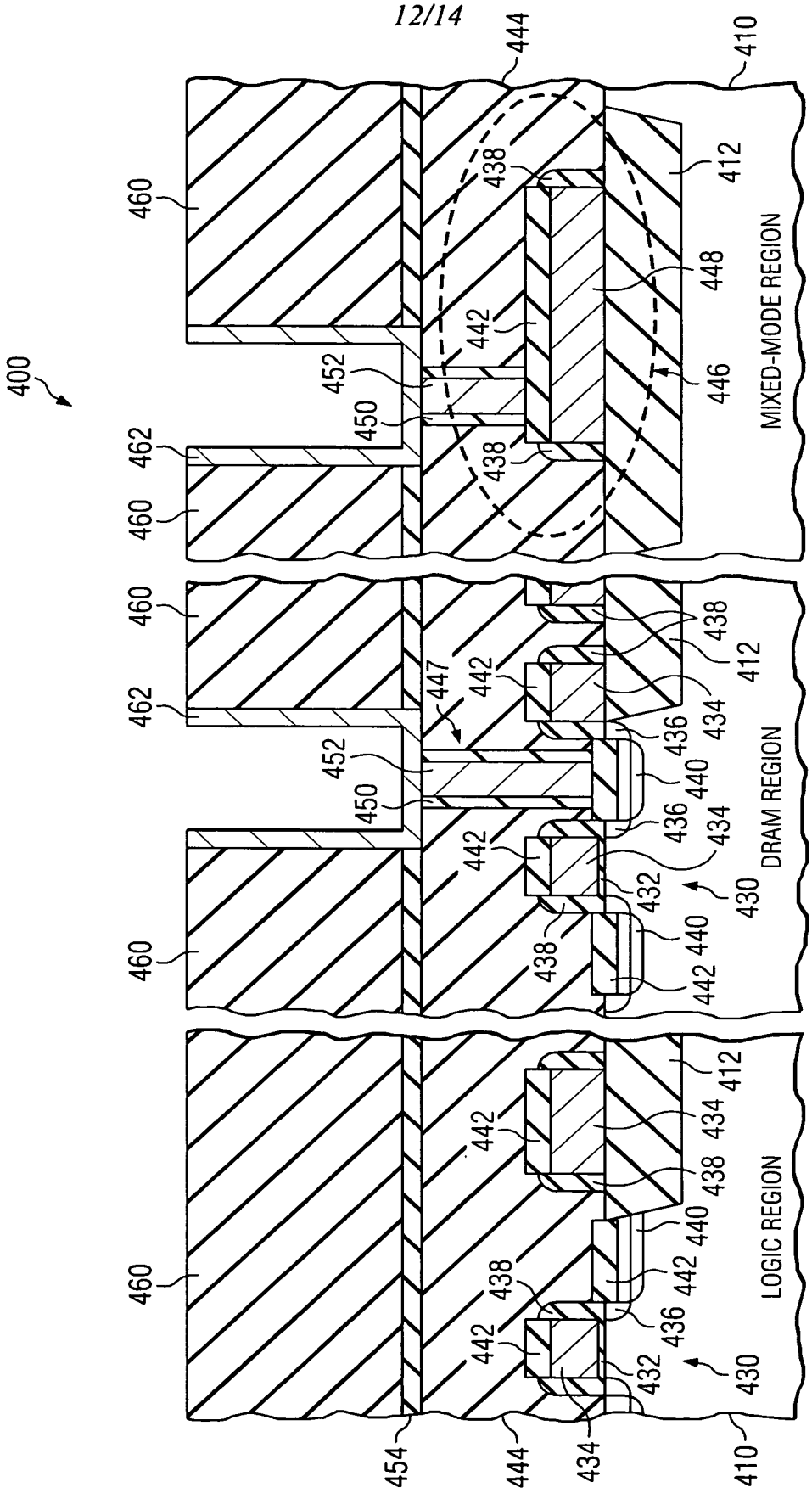
452
446
447
MIXED-MODE REGION
DRAM REGION
LOGIC REGION
434
436
440
432
430

FIG. 4d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410
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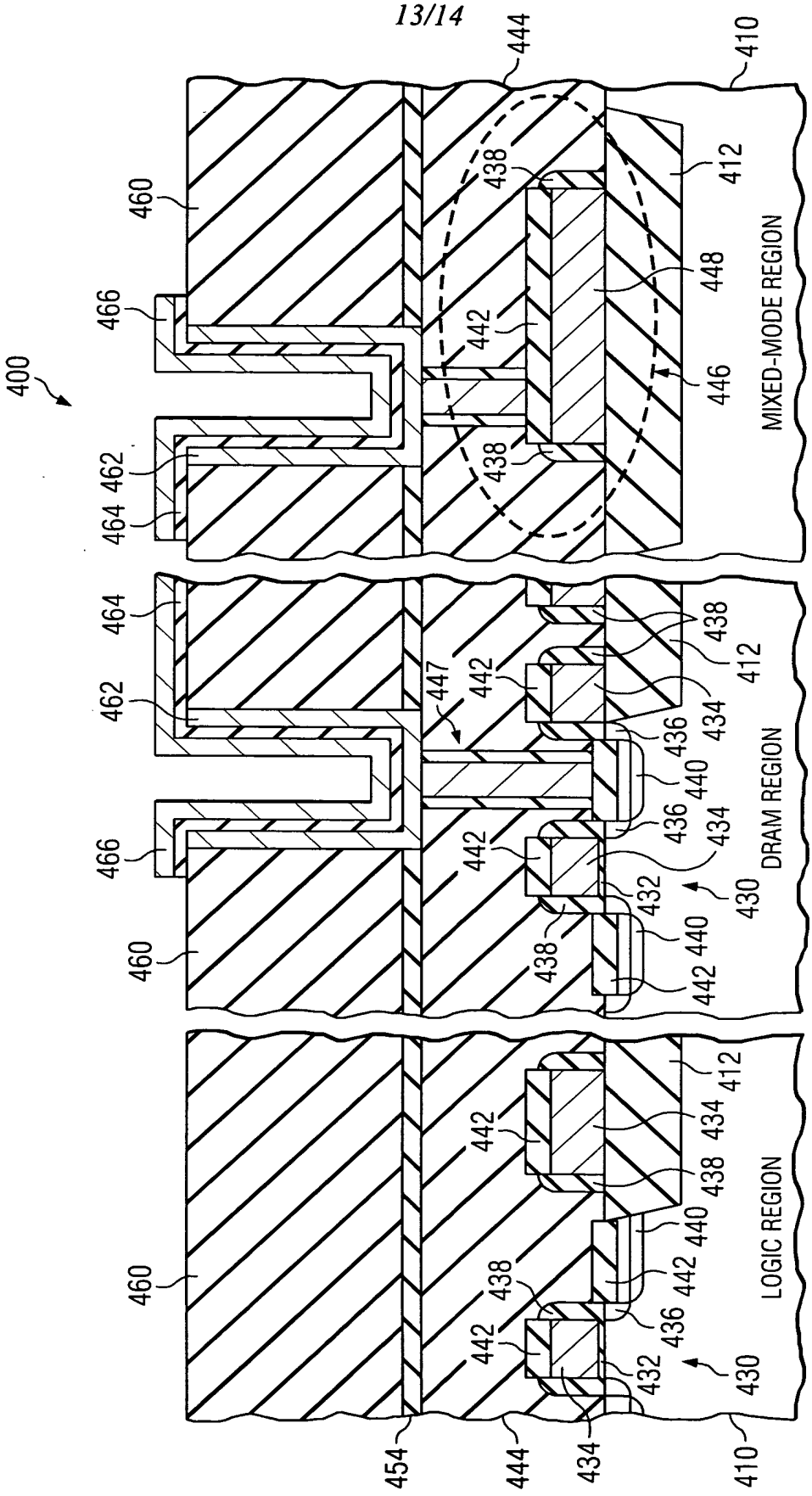
MIXED-MODE REGION
447
434
436
440
DRAM REGION
430
432
LOGIC REGION
454

FIG. 4e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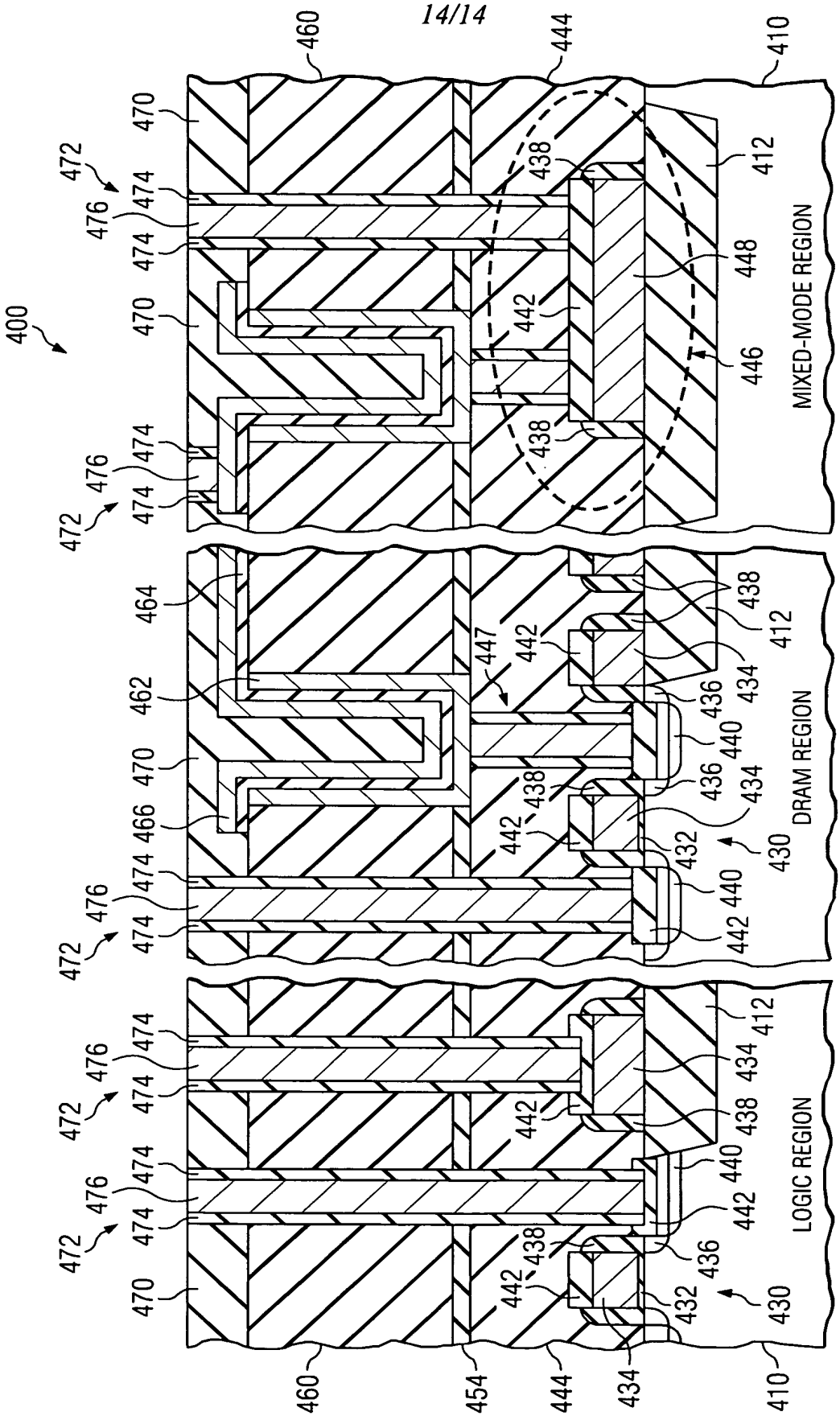
MIXED-MODE REGION
447
434
436
440
DRAM REGION
430
432
LOGIC REGION
454

FIG. 4f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MIXED-MODE REGION
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466
447
436
434
440
DRAM REGION
430
432
LOGIC REGION
454

FIG. 4g